

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claims 1-37 are canceled.

1                   38.     (Currently amended) An expression vector ~~comprising~~ comprising a  
2 vitellogenin ~~gene~~ cDNA, said vitellogenin cDNA comprising the sequence of SEQ ID NO: 1,  
3 operably linked to a promoter, wherein the promoter is functional in a ~~eukaryotic~~ yeast host  
4 suitable for use as a feed or feed additive.

1                   39.     (Canceled)

1                   40.     (Currently amended) The expression vector according to claim ~~39~~ 38  
2 wherein the promoter is a constitutive promoter.

1                   41.     (Previously presented) The expression vector according to claim 40  
2 wherein the promoter is a yeast glyceraldehyde-3-phosphate dehydrogenase (GAP) promoter.

1                   42.     (Canceled)

1                   43.     (Currently amended) The expression vector according to claim 42 38  
2 which is Vtg (-SS)/pGAPZA, Vtg (VTGSS)/pGAPZA or Vtg ( $\alpha$ SS)/pGAPZ $\alpha$ C.

1                   44.     (Currently amended) A transgenic ~~eukaryotic host~~ yeast comprising the  
2 expression vector according to claim 38 suitable for use as a feed or feed additive ~~comprising the~~  
3 ~~expression vector according to claim 38.~~

1                   45.     (Currently amended) A transgenic yeast comprising an expression vector  
2 wherein the expression vector comprises a vitellogenin ~~gene~~ cDNA operably linked to a  
3 promoter functional in yeast.

1                   46.   (Previously presented) The transgenic yeast according to claim 45  
2 wherein multiple copies of the expression vector has integrated into the yeast genome.

1                   47.   (Previously presented) The transgenic yeast according to claim 45  
2 wherein the promoter is yeast GAP promoter.

1                   48.   (Previously presented) The transgenic yeast according to claim 47  
2 comprising SEQ ID NO: 1.

1                   49.   (Previously presented) The transgenic yeast according to claim 48  
2 wherein the yeast is *Pichia pastoris*.

1                   50.   (Previously presented) The transgenic yeast according to claim 49  
2 wherein vitellogenin protein is expressed intracellularly.

1                   51.   (Previously presented) The transgenic yeast according to claim 50  
2 wherein yeast is protease deficient.

1                   52.   (Previously presented) The transgenic yeast according to claim 51  
2 wherein the amino acid and lipid contents are increased.

1                   53.   (Previously presented) The transgenic yeast according to claim 52  
2 wherein the level of polyunsaturated fatty acids is increased.

Claims 54-74 (Canceled).

1                   75.   (New) An expression vector comprising a vitellogenin cDNA operably  
2 linked to a promoter, wherein the promoter is functional in a yeast host suitable for use as a feed  
3 or feed additive.

1                   76.   (New) The expression vector according to claim 75 wherein the promoter  
2 is a constitutive promoter.

- 1                    77.     (New) The expression vector according to claim 76 wherein the promoter  
2     is a yeast glyceraldehyde-3-phosphate dehydrogenase (GAP) promoter.
- 1                    78.     (New) The expression vector according to claim 75 which is Vtg  
2     (-SS)/pGAPZA, Vtg (VTGSS)/pGAPZA or Vtg ( $\alpha$ SS)/pGAPZ $\alpha$ C.